

# PATENT ABSTRACTS OF JAPAN

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## 4) SHEETED COSMETIC COMPOSITION

7)Abstract:

**PROBLEM TO BE SOLVED:** To obtain a sheeted cosmetic composition having easy handleability and good usability, applicable to the skin and giving the attached area excellent moisture-retention effect, ultraviolet-prevention effect, slimming effect, tightening effect and soothing effect.

**SOLUTION:** This composition is produced by using a water-soluble nonwoven fabric or woven fabric (especially preferably polyvinyl alcohol fabric). The composition is preferably compounded with humectant, skin-beautifying agent, ultraviolet absorber, slimming agent, blood flow accelerating agent, anti-inflammatory agent, astringent, agent for preventing and improving the formation of wrinkles, chilling agent, thermal agent, etc. A cosmetic composition suitable as a shampooing agent, face-wash, etc., can be produced by compounding the composition with a surfactant as a cleaning agent. The sheeted cosmetic composition has high adhesivity to the skin, is easy-to-peel and washable from the skin after attaching and gives excellent feeling free from stickiness to the skin. The composition is preferably stored in a package using a gas-barrier material to prevent the deterioration of quality by humidity.

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CLAIMS

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[Claim(s)]

[Claim 1] The charge constituent of sheet-like makeup characterized by consisting of a water-soluble nonwoven fabric or textile fabrics.

[Claim 2] The charge constituent of sheet-like makeup according to claim 1 whose water-soluble nonwoven fabric or textile fabrics is the nonwoven fabric or textile fabrics of polyvinyl alcohol.

[Claim 3] Furthermore, the charge constituent of sheet-like makeup according to claim 1 or 2 which is a thing containing one sort chosen from a moisturizer, a whitening agent, an ultraviolet-rays inhibitor, a lean figure agent, a circulation accelerator, an anti-inflammatory agent, an astringent, a wrinkling formation prevention improvement agent, a cold sense agent, and a sense-of-heat agent, or two sorts or more.

[Claim 4] Furthermore, the charge constituent of sheet-like makeup of claim 1-3 which is a thing containing a surfactant given in any 1 term.

[Claim 5] The charge constituent of sheet-like makeup of claim 1-3 which is what is stuck, flushed and used for the wet skin given in any 1 term.

[Claim 6] The charge constituent of sheet-like makeup of claim 1-3 which is what that sticks on the wet skin, and uses, exfoliating after desiccation given in any 1 term.

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**DETAILED DESCRIPTION**

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**[Detailed Description of the Invention]**

[0001]

[Field of the Invention] About the charge constituent of sheet-like makeup, the handling of this invention is simple, and its usability is good, and it can be used in more detail, being able to stick on the skin, and relates to the moisturizincy effect of the pasting part concerned, the whitening effectiveness, the ultraviolet-rays prevention effectiveness, the lean figure effectiveness, and the charge constituent of sheet-like makeup that tightened and was excellent in effectiveness and the wrinkling picking effectiveness in that case.

[0002]

[Description of the Prior Art] As a charge of skin makeup, Kamiichi of the products of various pharmaceutical forms, such as face toilet, a cream, a milky lotion, a pack, and foundation, is carried out from the former.

[0003] As a gestalt of the charge of makeup, although liquids and solutions and a half-solid preparation are most, some charges of makeup of a pack mold are also proposed in recent years. For example, after using for the skin what there is a pack agent which consists of polyvinyl alcohol or polyvinyl alcohol, a polyvinyl pyrrolidone, etc., for example, was fabricated by the predetermined configuration, sticking it, or beginning to scour a half-solid thing from a tube, applying to a face etc. and drying, there is pharmaceutical preparation from which the dirt of a horny layer etc. is removed, exfoliating.

[0004] Moreover, after applying a pack agent to the skin, the dirt of a horny layer etc. is removed washing away the whole pack agent, and Kamiichi of the pharmaceutical preparation which maintains the skin healthily is carried out.

[0005] A pack agent exfoliates the horny layer where the skin is old among the pharmaceutical preparation of these charges of makeup, and various effectiveness is expected by blending various drug effect components not only the effectiveness that activates the skin but into a pack agent.

[0006] Moreover, as effectiveness of a pack agent, smooth the skin, give grace to the skin, heighten the moisturizincy effect of the skin, defend the whitening effectiveness and ultraviolet rays, the skin is tightened, or the lean figure effectiveness etc. is expected.

[0007] Although the approach of beginning to scour semisolid preparation from a tube and applying to the skin directly by hand etc. as operation of these pack agents is common, from the problem of taking the time and effort to apply and a pack agent adhering to a finger, an exfoliation sheet is prepared, it fabricates in the shape of a sheet, and the pack agent of the gestalt which sticks and uses an adhesive face for the skin has been marketed.

[0008]

[Problem(s) to be Solved by the Invention] However, the pasting mold pack agent of these former is made of the pharmaceutical preparation of nonaqueous solubility, and was not able to be flushed.

[0009] Moreover, in the conventional pack agent, when applying or sticking this on a face etc. and the skin had got wet, there was a problem that adhesion on the skin became difficult with this moisture.

[0010] By the way, although it becomes a technical problem how the adhesive property over the skin is

taken out in sticking a water-soluble film on the skin, although it is possible to use a water soluble film as a way stage which solves these problems, two approaches, or [ whether adhesiveness is made to give the film itself in that case or / wetting the skin beforehand and sticking a water-soluble film ], can be considered. Although a plasticizer suitable as an approach of making adhesiveness giving the film itself can be put in and built, it is very difficult practically to have an adhesive film in a hand and to stick it. Since the film stuck on the skin did not necessarily stick on the skin by the approach of wetting the skin beforehand and sticking a water-soluble film, separated immediately, and it fell or moved in the skin front face, and a feeling of use was bad and its practicality was low.

[0011] Therefore, especially the purpose of this invention is to offer the charge constituent of sheet-like makeup which exfoliating after being able to stick and use for the wet skin and continuing sticking can also flush easily with water and which was extremely excellent in a feeling of use.

[0012]

[Means for Solving the Problem] Then, this invention persons came to complete a header and this invention for the ability of sticking firmly and exfoliating after that to also be flushed only by sticking on the skin which only got wet the place examined wholeheartedly that the above-mentioned technical problem should be solved by using the gestalt of the charge of makeup as a water-soluble nonwoven fabric or textile fabrics.

[0013] That is, the charge constituent of sheet-like makeup characterized by this invention consisting of a water-soluble nonwoven fabric or textile fabrics is offered.

[0014]

[Embodiment of the Invention] Although the charge constituent of sheet-like makeup of this invention can be stuck on the skin, pasting nature has the desirable conditions not falling here, when the charge constituent of sheet-like makeup of this invention is stuck after wetting a part for the gena of people's face, a pasting side is made into right under and it is left calmly.

[0015] The water-soluble nonwoven fabric or the textile fabrics used for the charge of this invention makeup consists of water soluble polymer fiber fundamentally.

[0016] In this invention, as water soluble polymer fiber, fiber, such as polyvinyl alcohol, a polyvinyl pyrrolidone, a pullulan, a carboxymethyl cellulose, and hydroxypropylcellulose, is desirable, and especially vinylon is desirable. Moreover, mix a copolymer denaturation object with vinyl monomers, such as vinyl acetate, and an olefin, carboxylic-acid vinyl, to polyvinyl alcohol, a water-soluble or water-dispersion block copolymer is mixed to polyvinyl alcohol, or the denaturation polyvinyl alcohol derivative to which copolymerization of the compounds, such as an itaconic acid and a maleic acid, was carried out is mentioned. Moreover, the denaturation polyvinyl alcohol using polysaccharide, such as gelatin, water-soluble protein, a dextrin, and a pullulan, may be used, as long as it is required, polyvinyl alcohol may be denatured by the suitable approach, and miscibility with polysaccharide, such as gelatin, water-soluble protein, a dextrin, and a pullulan, etc. may be raised and used. The vinylon which average degree of polymerization becomes from the polyvinyl alcohol of 100-3000 especially is desirable.

[0017] As for water soluble polymer fiber, what dissolves or mixes with 50-0-degree C water is desirable, and what dissolves or mixes with the water which is 10-0 degree C especially is desirable. The condition that the dissolution or mixing dissolves or mixes with 1l. of water 0.5g of whose fiber is 50 degrees C within 10 minutes, let it pass to the screen (the method of a game: 2000 micrometers) of No. 8.6 [ further ], and it does not have the residue is said here. Moreover, the diameter of water soluble polymer fiber has a 5-200-micrometer desirable thing, and what is 5-50 micrometers is especially desirable.

[0018] The nonwoven fabric or textile fabrics of water soluble polymer fiber is excellent in water-dispersion [ in low temperature / the water solubility, the solubility, and water-dispersion ], and its contraction is small also in high humidity, and what is not shrunken is desirable.

[0019] The nonwoven fabric which consists of a water-soluble polyvinylalcohol fiber shown in JP,5-321105,A, JP,7-42019,A, JP,3-86530,A, JP,3-279410,A, JP,3-199408,A, and JP,2-112406,A as such a nonwoven fabric is mentioned.

[0020] Moreover, the dissolution time amount of a under [ a bath ] is controllable to arbitration by

changing the processing conditions of the property of the polymer used for the raw material, and a nonwoven fabric or textile fabrics. Although what is necessary is for fiber just to determine the weight of the nonwoven fabric per unit area etc. suitably, in the case of vinylon, it is 2 - 200 g/m<sup>2</sup>. It is desirable and is especially 25 - 100 g/m<sup>2</sup>. It is desirable. Moreover, the thickness of a nonwoven fabric has desirable 10-3000 micrometers, and its 25-400 micrometers are especially desirable. On the other hand, the thickness of textile fabrics has desirable 20-2000 micrometers, and its 50-500 micrometers are especially desirable.

[0021] a nonwoven fabric or textile fabrics -- the whole surface -- or to partial, for example, punctiform, a heat press is carried out, permeability can be stopped or embossing can also raise aesthetic property and reinforcement. Moreover, the nonwoven fabric or textile fabrics obtained by doing in this way may print various colored patterns using ink or a pigment if needed.

[0022] the general-purpose raw material with which the charge constituent of sheet-like makeup of this invention is usually prescribed at the charge of makeup on the front face by the side of a nonwoven fabric or pasting -- combination -- or it can apply or vapor-deposit.

[0023] Among these, as a component which can feel effectiveness clearly, a moisturizer, a whitening agent, an ultraviolet-rays inhibitor, a lean figure agent, a circulation accelerator, an anti-inflammatory agent, an astringent, wrinkling formation prevention / improvement agent, a cold sense agent, a sense-of-heat agent, etc. are mentioned by blending with the charge constituent of sheet-like makeup of this invention.

[0024] As a moisturizer, ceramide which is indicated by a glycerol and JP,2-115117,A or its quality of the similar structure, cholesteryl ester, a sorbitol, xylitol, a glycerol, maltitol, propylene glycol, 1, 3-butylene glycol, 1, 4-butylene glycol, pyrrolidone carboxylic-acid sodium, a lactic acid, sodium lactate, polyoxypropylene fatty acid ester, a polyethylene glycol, etc. are mentioned. These have [ among these ] a glycerol, a ceramide derivative, and desirable cholesteryl ester especially in this invention which is independent or can use one sort combining two or more sorts.

[0025] The loadings to the charge of this invention makeup of these moisturizers have 0.01 - 50 desirable % of the weight (% only shows below), and are desirable. [ especially 0.5 - 20% of ]

[0026] As a whitening agent, chamomillae flos, arbutin, kojic acid, vitamin C and a vitamin-C derivative, allantoin, a vitamin-E derivative, glycyrrhizin, an ascorbic-acid derivative, a pantethine acid derivative, placental extract, etc. are mentioned. These are independent or can use one sort combining two or more sorts. Especially in this invention, chamomillae flos, arbutin, and kojic acid are [ among these ] desirable.

[0027] 0.01 - 20% of the loadings to the charge of this invention makeup of these whitening agents are desirable, and are desirable. [ especially 0.5 - 5% of ]

[0028] There are an ultraviolet ray absorbent and an ultraviolet-rays defense agent in an ultraviolet-rays inhibitor. As an ultraviolet ray absorbent A 2-hydroxy-4-methoxybenzophenone and 2-hydroxy-4-methoxybenzophenone-5-sulfonic acid, Hydroxy methoxybenzophenone sulfonic-acid sodium, dihydroxy methoxybenzophenone, Benzophenone system compounds, such as dihydroxy methoxybenzophenone sulfonic-acid sodium and a tetra-hydroxy benzophenone; P aminobenzoic acid, P-aminobenzoic-acid ethyl, p-aminobenzoic-acid glyceryl, PARAJI methylamino amyl benzoate, P-aminobenzoic-acid system compounds, such as PARAJI methylamino benzoic-acid octyl; Para methoxycinnamic acid isopropyl, Para methoxycinnamic acid ethyl, methoxycinnamic acid octyl, 4-methoxycinnamic acid-2-ethoxyethyl, Methoxycinnamic acid system compounds, such as a Para methoxycinnamic acid potassium and Para methoxycinnamic acid sodium; Salicylic-acid octyl, A phenyl salicylate, salicylic-acid gay menthyl, salicylic-acid ethylene glycol, Salicylic-acid system compounds, such as salicylic-acid dipropylene glycol, salicylic-acid Millis Chill, and a methyl salicylate; urocanic acid, urocanic acid ethyl, methyl ortho aminobenzoate, etc. are mentioned. These are independent or can use one sort combining two or more sorts. Especially in this invention, p-aminobenzoic-acid ester, methoxycinnamic acid ester, and oxybenzone are [ among these ] desirable.

[0029] Moreover, as an ultraviolet-rays defense agent, titanium oxide, a zirconium dioxide, an iron oxide, etc. are mentioned. In order to raise the ultraviolet-rays defense ability, as for these, it is desirable

to use what performed the surface treatment and compound-ized processing by atomization, silicon, a zirconia alumina, etc.

[0030] 0.01 - 20% of the loadings to the charge of this invention makeup of these ultraviolet-rays inhibitors are desirable, and are desirable. [ especially 0.1 - 5% of ]

[0031] As a lean figure agent, bipyridine derivative; pepper, such as alpha2 adrenomimetic depressant; amrinone, such as beta adrenomimetic analeptic; yohimbines, such as xanthene derivative; isoproterenol, such as aminophylline, theophylline, and caffeine, dobutamine, salbutamols, and these salts, phentolamine, ergotamines, and these salts, milrinone, and these salts, Cephalonoplos segetum, NOAZAMI, etc. are mentioned. These are independent or can use one sort combining two or more sorts. Especially in this invention, aminophylline, isoproterenol, Cephalonoplos segetum, and NOAZAMI are [ among these ] desirable.

[0032] 0.01 - 20% of the loadings to the charge of this invention makeup of these lean figure agents are desirable, and are desirable. [ especially 0.1 - 5% of ]

[0033] As a circulation accelerator, crude drugs, such as a peony, an angericae radix, a cnidium rhizome, caryophylli flos, a sialid, an atractylodes lancea rhizome, Aurantii nobllis pericarpium, a eucalyptus, a rosemary, a cress, capsici fructus, a pueraria root, PYAKUJUTSU, a valerian, Schizonepetae herba, a magnoliae cortex, aurantii pericarpium, a ginseng, cinnamon, a mentha herb, a gardeniae fructus, a Japanese iris, Artemisia princeps, a coptis root, a cork tree bark, and a ginkgo tree, and the extract extractives; nicotinic-acid benzyl of those, tocopherol nicotinate, the methyl nicotinate, a tocopherol, 3-octyl phthalide, etc. be mentioned These are independent or can use one sort combining two or more sorts. Especially in this invention, a ginkgo tree, a eucalyptus, and 3-octyl phthalide are [ among these ] desirable.

[0034] 0.0001 - 20% of the loadings to the charge of this invention makeup of these circulation accelerators are desirable, and are desirable. [ especially 0.1 - 5% of ]

[0035] As an anti-inflammatory agent, a methyl salicylate, a salicylic-acid glycol, indomethacin, ibuprofen, allantoin, lysozyme chloride, a GUAI azulene, gamma-orizanol, tocopherol acetate, glycyrrhizic acid, dipotassium glycyrrhizinate, glycyrrhetic acid, and its salt are mentioned. These are independent or can use one sort combining two or more sorts. Especially in this invention, gamma-orizanol and dipotassium glycyrrhizinate are [ among these ] desirable.

[0036] 0.001 - 5% of the loadings to the charge of this invention makeup of these anti-inflammatory agents are desirable, and are desirable. [ especially 0.1 - 2% of ]

[0037] As an astringent, an alum, a zinc oxide, a tannic acid, an aluminum hydroxide, a sodium chloride, a magnesium chloride, etc. are mentioned. These are independent or can use one sort combining two or more sorts. Especially in this invention, an alum and a tannic acid are [ among these ] desirable.

[0038] 0.01 - 20% of the loadings to the charge of this invention makeup of these astringents are desirable, and are desirable. [ especially 0.1 - 10% of ]

[0039] As a wrinkling formation prevention / improvement agent, the estrogen; retinoic acid and its derivatives (JP,6-249585,A etc.), such as estradiol and its ester, estrone, and ethinylestradiol, ascorbic-acid derivatives (JP,61-30510,A, No. 152613 [ 61 to ] official report, etc.), vitamin E, gamma-aminobutyric acid derivatives (JP,62-1951,A, No. 87506 [ 62 to ] official report, etc.) (JP,62-255405,A, JP,2-62810,A, etc.), etc. are mentioned. These are independent or can use one sort combining two or more sorts. Especially in this invention, estradiol and its ester, estrone, and ethinylestradiol are [ among these ] desirable.

[0040] 0.0001 - 10% of the loadings to the charge of this invention makeup of these wrinkling formation prevention / improvement agents are desirable, and are desirable. [ especially 0.1 - 2% of ]

[0041] A cold sense agent and a sense-of-heat agent may be blended independently, and may be blended combining these. L-menthol, camphor, Timor, etc. are mentioned as a cold sense agent.

[0042] 0.01 - 20% of the loadings to the charge of this invention makeup of these cold sense agents are desirable, and are desirable. [ especially 0.1 - 10% of ]

[0043] Moreover, as a sense-of-heat agent, nicotinic-acid derivatives, such as capsicum tincture, capsici fructus extractives, capsici fructus pulveratus, nonoic acid vanillylamide, nicotinic-acid benzyl, methyl

nicotinate, nicotinic-acid phenyl, and tocopherol nicotinate, capsaicin, watercress extractives, physalis radix extractives, ginger extractives, KANTARI extractives, etc. are mentioned.

[0044] 0.0001 - 20% of the loadings to the charge of this invention makeup of these sense-of-heat agents are desirable, and are still more desirable. [ 0.0005 - 5% of ]

[0045] If a surfactant is blended with the charge constituent of makeup of this invention as a cleaning agent, the charge constituent of makeup suitable as a shampoo agent, a washing-its-face agent, etc. can be obtained. As a surface active agent, alkylbenzene sulfonates, alkyl ether sulfate, An olefin sulfonate, a higher-fatty-acid salt, alpha-sulfo fatty-acid-ester salt, Anionic surfactants, such as an amino acid system surfactant, a phosphoric ester system surfactant, and a sulfo succinate system surfactant; A sulfbetaine mold surfactant, Amphoteric surface active agents, such as a carbobetaine mold surfactant, alkylamine oxide, and an imidazoline mold surfactant; Polyoxyethylene alkyl ether, Polyoxyethylene alkyl phenyl ether, an alkanol amide, and its alkylene oxide addition product, The ester of polyhydric alcohol and a fatty acid, and sorbitan fatty acid esters Nonionic surfactants, such as an alkyl saccharide system surface active agent; Monochrome or II straight chain long-chain alkyl quarternary ammonium salt, Cationic surfactants, such as monochrome or II branch-type straight chain long-chain alkyl quarternary ammonium salt, can be mentioned, and these can choose suitably one sort or two sorts or more, and can use them. When the charge of makeup is a shampoo also in these, it is desirable to use in consideration of stimulative [ over the skin or hair ] combining an amino acid system surfactant, a phosphoric ester system surfactant, a sulfo succinate system surfactant, an imidazoline mold surfactant, and an alkyl saccharide system surfactant.

[0046] 0.1 - 40% of the loadings to the charge of this invention makeup of these surfactants are desirable, and are desirable. [ especially 1 - 20% of ]

[0047] Although vegetable oil and fat, such as animal fat and oil, such as a crude drug, coloring matter, perfume, a pigment, vitamins, an enzyme, and lanolin, and a derivative of those, and jojoba oil, and the derivative of those, silicone, various mineral and an inorganic compound, and organic acids can be blended with the charge constituent of sheet-like makeup of this invention, the cosmetics raw material which can be blended is not limited to what is illustrated below.

[0048] (a) An inorganic compound and mineral potassium chloride, an ammonium chloride, A potassium sulfide, a sodium sulfide, a calcium oxide, a magnesium oxide, A potassium nitrate, a sodium nitrate, a calcium nitrate, \*\*\*\*\*, a meta-silicic acid, A silicic acid anhydride, neutral clay, a sodium thiosulfate, sodium polyphosphate, Sodium metaphosphate, sodium phosphate, calcium hydrogenphosphate, A potassium bromide, slaked lime, sodium hyposulfite, thiosulfuric-acid calcium, a sodium hydroxide, the end of a mica, a boric acid, a borax, a sodium hydrogencarbonate, sodium sesquicarbonate, a sodium carbonate, a magnesium carbonate, a sodium sulfate, magnesium sulfate, etc.

[0049] (b) An organic acid, ester and the salts adipic acid of those, a benzoic acid, a malic acid, a tartaric acid, a malonic acid, a citric acid, a lactic acid, a fumaric acid, a succinic acid, etc.

[0050] (c) A crude drug, Chinese orthodox medicine, a herb jasmine, a ginger, a Scutellaria root, Hoelen, DOKUKATSU, Schisandra nigra Maxim., Angelica Dahurica Root, Houttuynia herb, camphor, a crocus, A fennel, a can hide, chamomillae flos, the leaf of a peach, Melissa, a horse chestnut, Arnica, The SAGE, a Moutan bark, chickweed grass, XIAN HE CAO, a Japanese catalpa, parsley, hydrangeae dulcis folium, \*\*\*\*, Glechoma hederacea, the leaf of a persimmon, a lot-of-money child, a floating weed, prolongation-of-life grass, a time, Artemisia capillaris, An aloe, a Scutellaria root, a cork tree bark, liquorice, a platycodi radix, Chrysanthemum morifolium Ramat., apricot kernel, A low bamboo, a gentian, a comfrey, a white thorn, a gardenia, Houttuynia, the Betula alba, Achillea millefolium, a mulberry, Calendula officinalis, a peach kernel, Novara, a loquat, carthami flos, a horse chestnut, Sapindus mukurossi, a cornflower, a lily, a coix seed, a lychee, a forsythia fruit, etc.

[0051] (d) Essential oil, perfume mentha oil, jasmine oil, camphor oil, a cypress oil, an aurantii pericarpium oil, a RYUU oil, a mandarin orange oil, orange oil, a yuzu citron oil, a Japanese iris oil, lavender oil, bay oil, a clove oil, the Khiva oil, the attar of rose, a eucalyptus oil, lemon oil, the thyme oil, peppermint oil, a SAGE oil, bergamot oil, the Shobu oil, pine oil, a cineole, an eugenol, a citral, citronellol, citronellal, a borneol, linalool, a geraniol, phenyl ethyl alcohol, benzyl acetate, spilanтол, a



inene, a terpene system compound, [0052] (e) Hardened oil and the glyceride derivative which hydrogenate natural oil fat, such as a fats-and-oils bran oil, U.S. bran extractives, olive oil, soybean oil, jojoba oil, an avocado oil, an almond oil, sesame oil, a par chic oil, palm oil, sunflower oil, castor oil, a cacao oil, a mink oil, beef tallow, lard, \*\*\*\*, Oenotherae Biennis oil, and the Lowe's blip oil, and these, and are obtained. Waxes, such as a cull navarho, yellow bees wax, and lanolin Hydrocarbons, such as a liquid paraffin, paraffin, vaseline, a paraffin micro crystallin wax, a ceresin, Bliss Tan, and squalane higher fatty acids, such as a lauric acid, a myristic acid, a palmitic acid, stearin acid, behenic acid, oleic acid, linolic acid, a linolenic acid, a lanolin acid, and isostearic acid. Higher alcohol and its ester derivatives, such as lauryl alcohol, cetyl alcohol, stearyl alcohol, oleyl alcohol, lanolin alcohol, cholesterol, and 2-EKISHIRU decanol. Ester, such as octanoic-acid cetyl, octanoic-acid triglyceride, lactic-acid Millis Chill, lactic-acid cetyl, myristic-acid isopropyl, myristic-acid Millis Chill, myristic-acid octyldodecyl, palmitic-acid isopropyl, adipic-acid isopropyl, butyl stearate, oleic acid DESHIRU, isostearic acid cholesterol, and POE sorbitol fatty acid ester

[0053] (f) Silicone dimethylpolysiloxane, methylphenyl polysiloxane, amino denaturation silicone, alcoholic denaturation silicone, fatty alcohol denaturation silicone, polyether denaturation silicone, epoxy denaturation silicone, fluorine denaturation silicone, annular silicone, and alkyl denaturation silicone etc.

[0054] (g) Natural coloring matter accepted by considering as \*\*\*\* additives, such as the coloring matter of the tar dye attached tables I and II provided by the welfare Ministerial Ordinance of the coloring matter blue No. 1, blue No. 2, yellow No. 4, yellow No. 5, green No. 3, green No. 4, green No. 04, and yellow No. 202, such as (1), chlorophyll, a riboflavin, crocin, anthraquinone, cochineal, anthaxanthin, and safflower.

[0055] (h) Vitamin vitamin A, vitamin B, vitamin C, vitamin D, vitamin E, etc. [0056] (i) It is called the fine particles for makeup by general pulverized coal, and they are the copolymer of macromolecules, such as acrylic resin, styrene resin, an epoxy resin, silicon resin, nylon, polyethylene, polypropylene, a polyvinyl chloride, PET, and poly tetrafluoro ethane, and this high molecular compound, a calcium silicate, aluminum silicate, natural, synthetic aluminum silicate, a zeolite, titanium oxide, talc, a kaolin, a mica, a bentonite, a sericite, a silica, a vermiculite, a mica, mica titanium, magnesium oxide a zirconium oxide, a barium sulfate, ultramarine blue, etc.

[0057] (j) In addition, a mineral-rich sediment, sulfur, casein, sodium salicylate, entering rice bran, a extrin, skim milk powder, a urea, and amino acid can be blended.

[0058] furthermore, except for what described above the charge constituent of makeup of this invention the need -- responding -- sterilization antiseptics (for example, the methylparaben --) Ethylparaben, propylparaben, the butylparaben, a benzoate, sequestering agents (for example, EDTA --), such as a ascorbic acid, triclosan, and TORIKURORO Calvin Proteolytic enzymes, such as NTA, an anti-\*\*\*\* agent (zinc pilus thione, oct ROPIKKUSU, etc.), An osmosis accelerator (benzyl alcohol, benzyloxy ethanol, etc.), Thickeners (water soluble polymers, such as a carboxyvinyl polymer, a carboxymethyl cellulose, polyvinyl alcohol, a carrageenan, and gelatin etc.), an electrolyte, pH regulators (buffers, such as lactic-acid-sodium lactate and a citric-acid-sodium citrate etc.), etc. can be blended.

[0059] In order to prepare the charge constituent of sheet-like makeup of this invention, a drug effect agent can also be blended into the production process of a water-soluble nonwoven fabric, but after manufacturing a nonwoven fabric, it can \*\* by applying or vapor-depositing a drug effect component. When applying or vapor-depositing these drug effect components, as for a drug effect component, it is desirable to melt to an volatile solvent, and to apply or vapor-deposit. As an volatile solvent, on the safety to the skin, although a desirable thing is chosen, especially ethanol is desirable. Moreover, although it is desirable that moisture is not included if possible in an volatile solvent when raising the ability of a water-soluble nonwoven fabric, as a moisture content permitted, 30% or less is desirable, and 10 more% or less is desirable.

[0060] The charge constituent of sheet-like makeup of this invention is desirable when packing and moving at airtight wrapping prevents the debasement by humidity. As extent of the penetrable barrier of a team, what weight change of the package article under 40 degrees C and 80%RH preservation

conditions hardly produces is desirable, and it is desirable as change after the six-month preservation under these conditions that weight is less than \*\*5% per package of a product as wrapping of the charge constituent of sheet-like makeup of this invention. As the quality of the material of airtight wrapping, cellophane, a waterproof cellophan, polypropylene, nylon, polyester, a vinylidene chloride, a vinyl chloride, a polycarbonate, low density polyethylene, high density polyethylene, linear low density polyethylene, an ionomer, polyvinyl alcohol, an ethylene-vinylacetate copolymer, an ethylene acrylic-acid copolymer, an ethylene ethyl acrylate copolymer, the poly methyl pentene, polystyrene, aluminum foil, etc. are mentioned as a desirable example. Among these, the penetrable barrier of a steam of especially polypropylene, a vinylidene chloride, low density polyethylene, high density polyethylene, linear low density polyethylene, and the film that laminated aluminum foil is high, and is desirable as a configuration film of airtight wrapping.

0061]

Effect of the Invention] The charge constituent of sheet-like makeup which could also take the large range of the moisture content of the skin which was wet beforehand according to this invention, and washing away with water after having the big advantage of sticking also on the skin fully soaked also in the small moisture content and sticking on the skin could also be removed, it did not adhere to a finger at the time of handling, and was excellent in usability can be obtained. Moreover, the charge constituent of sheet-like makeup of this invention became possible [ heightening the moisturizency effect, the circulation improvement effect and the whitening effectiveness of a part, the tightening effectiveness of the skin, the lean figure effectiveness, etc. ] by blending a drug effect component. Since all very thing melts into water unlike the conventional pack agent, the charge constituent of sheet-like makeup of this invention can save the time and effort which removes a basis after use, and is excellent in a feeling of use.

0062]

Example] Next, although an example is given and this invention is explained, this invention is not limited to these examples.

0063] After cutting out the water-soluble nonwoven fabric which consists of example 1 polyvinyl-alcohol (polymerization degree 1700) fiber to 10x7cm, the wrapping which consists of a polyethylene film which laminated aluminum foil was loaded, and it manufactured.

The eyes of the thickness:280micrometer nonwoven fabric which is a melting-temperature:5 degree-C nonwoven fabric which is :15 micrometer fiber in the thickness of the data fiber of a nonwoven fabric: 0 g/m2 [0064] After cutting out the water-soluble nonwoven fabric which consists of example 2

maleic-acid denaturation polyvinyl alcohol (polymerization degree 1400) fiber to 10x7cm, the wrapping which consists of a polyethylene film which laminated aluminum foil was loaded, and it manufactured.

The eyes of the thickness:280micrometer nonwoven fabric which is a melting-temperature:1 degree-C nonwoven fabric which is :15 micrometer fiber in the thickness of the data fiber of a nonwoven fabric: 0 g/m2 [0065] After cutting out the water soluble film which consists of example of comparison 1

polyvinyl alcohol (polymerization degree 1500) to 10x7cm, the wrapping which consists of a polyethylene film which laminated aluminum foil was loaded, and it manufactured.

Thickness of the melting-temperature:5 degree-C film which is data fiber of a film: 300 micrometers

0066] After cutting out an example of comparison 2 maleic-acid denaturation polyvinyl alcohol (polymerization degree 1400) water soluble film to 10x7cm, the wrapping which consists of a polyethylene film which laminated aluminum foil was loaded, and it manufactured.

Thickness of the melting-temperature:1 degree-C film which is data fiber of a film: 280 micrometers

0067] The example of a trial: The organoleptics result which stuck on the skin after washing (face) with soap, and performed the use trial using test subject trinominal, and a feeling of use evaluated about the charge constituent of sheet-like makeup prepared according to the charge constituent of sheet-like makeup and the examples 1 and 2 of a comparison of this invention which were prepared according to examples 1 and 2 was shown in the table.

0068] (Operation) The charge constituent of sheet-like makeup was stuck on the skin [ having got wet ] after washing its face with soap, and it exfoliated or washed after 5 minutes. The feeling of use at the

time of the time of pasting and exfoliation, or washing was investigated.

[0069]

Panelist A Example 1 Feel when sticking It sticks finely and there is no sense of incongruity. When exfoliating \*\*\*\*\* It can remove finely and is pleasant. Example 2 Feel when sticking It sticks finely and there is no sense of incongruity. Feel when exfoliating It can remove finely and is pleasant. Example 1 of a comparison Feel when sticking It sticks slippery and there is sense of incongruity. Feel when doing exfoliation of It does not dry as a brick, but it is sticky and unpleasant. Example 2 of a comparison Feel when sticking It sticks slippery and there is sense of incongruity. Feel when exfoliating It does not dry as a brick, but it is sticky and unpleasant. [0070]

Panelist B Example 1 Feel when sticking It sticks finely and there is no sense of incongruity. When washing \*\*\*\*\* It can wash finely and is pleasant. Example 2 Feel when sticking It sticks finely and there is no sense of incongruity. Feel when washing It can wash finely and is pleasant. Example 1 of a comparison Feel when sticking It sticks slippery and there is sense of incongruity. Feel when washing A film moves on the skin. Finely it is unwashable Example 2 of a comparison Feel when sticking Feel when washing that it sticks slippery and there is sense of incongruity a film -- a skin top -- moving -- beautiful -- It is unwashable. [0071]

Panelist C Example 1 Feel when sticking It sticks with \*\*\*\*\* and there is no sense of incongruity. When exfoliating \*\*\*\*\* An old horny layer can be taken finely. Feeling \*\* is good. Example 2 Feel when sticking It sticks with \*\*\*\*\* and there is no sense of incongruity. Feel when exfoliating An old horny layer can be taken finely. Feeling \*\* is good. Feel when sticking example of comparison 1 It sticks slippery and there is sense of incongruity. Feel when exfoliating A film does not get dry but exfoliate finely. Be. Example 2 of a comparison Feel when sticking It sticks slippery and there is sense of incongruity. Feel when exfoliating A film does not get dry but it exfoliates finely. It is. [0072] It turned out that it is easy to remove after a good adhesive property is high and sticking on the skin to the skin, and it is not [ that it is easy to wash out ] sticky again at the time of pasting, either, and the charge constituent of sheet-like makeup of this invention is the good pharmaceutical preparation of a feeling of use so that clearly also from the above-mentioned test result. On the other hand, when sticking, it was been slippery, there was no sense of stability, and it was sticky also at the time of exfoliation, or melted at the time of washing, the remainder arose, and the examples 1 and 2 of a comparison were user-unfriendly.

[0073] It is 20g/m<sup>2</sup> on the water-soluble nonwoven fabric which consists of polyvinyl alcohol (polymerization degree 1700) fiber the chamomillae flos extractives (alcoholic extract extractives, 3% of solid content, 95% ethyl alcohol solvent) which are example 3 whitening-agent components. After spraying, drying volatile matter about 100% in the environment of RH 50 degrees C / 30% and judging to 10x7cm, the wrapping which consists of a polyethylene film which laminated aluminum foil was loaded, and it manufactured.

The eyes of the thickness:280micrometer nonwoven fabric which is a melting-temperature:5 degree-C nonwoven fabric which is :15 micrometer fiber in the thickness of the data fiber of a nonwoven fabric: 50 g/m<sup>2</sup> [0074] It is 20g/m<sup>2</sup> on the water-soluble nonwoven fabric which consists of polyvinyl alcohol (polymerization degree 1700) fiber the kojic acid (0.1%, 95% ethyl alcohol solvent) which is an example 4 whitening-agent component. After spraying, drying volatile matter about 100% in the environment of RH 50 degrees C / 30% and judging to 10x7cm, the wrapping which consists of a polyethylene film which laminated aluminum foil was loaded, and it manufactured.

The eyes of the thickness:280micrometer nonwoven fabric which is a melting-temperature:5 degree-C nonwoven fabric which is :15 micrometer fiber in the thickness of the data fiber of a nonwoven fabric: 50 g/m<sup>2</sup> [0075] After cutting out the water-soluble nonwoven fabric which consists of maleic-acid denaturation polyvinyl alcohol (polymerization degree 1400) fiber Cephalonoplos segetum (alcoholic extract extractives, 8% of solid content, 95% ethyl alcohol solvent) which is an example 5 lean-figure component to 10x7cm, the wrapping which consists of a polyethylene film which laminated aluminum foil was loaded, and it manufactured.

The eyes of the thickness:280micrometer nonwoven fabric which is a melting-temperature:1 degree-C

nonwoven fabric which is :15 micrometer fiber in the thickness of the data fiber of a nonwoven fabric: 50 g/m2 [0076] It is 20g/m2 on the water-soluble nonwoven fabric which consists of polyvinyl alcohol (polymerization degree 1700) fiber 3-octyl phthalide (0.1%, 95% ethyl alcohol solvent) which is an example 6 circulation promotion component. After spraying, drying volatile matter about 100% in the environment of RH 50 degrees C / 30% and judging to 10x7cm, the wrapping which consists of a polyethylene film which laminated aluminum foil was loaded, and it manufactured.

The eyes of the thickness:280micrometer nonwoven fabric which is a melting-temperature:5 degree-C nonwoven fabric which is :15 micrometer fiber in the thickness of the data fiber of a nonwoven fabric: 50 g/m2 [0077] It is 20g/m2 on the water-soluble nonwoven fabric which consists of polyvinyl alcohol (polymerization degree 1700) fiber the burnt alum (60 micrometers of mean diameters) which is an example 7 skin convergence component. 5kg/cm2 after making it distribute and rubbing in well It pushes by the pressure and is 95 more% ethyl alcohol 10 g/m2 The amount was sprayed, volatile matter was dried about 100% in the environment of RH 50 degrees C / 30%, and alum powder was fixed in the fiber of a nonwoven fabric. After judging to 10x7cm, from the polyethylene film which laminated aluminum foil, wrapping was loaded and it manufactured.

The eyes of the thickness:280micrometer nonwoven fabric which is a melting-temperature:5 degree-C nonwoven fabric which is :15 micrometer fiber in the thickness of the data fiber of a nonwoven fabric: 50 g/m2 [0078] It is 20g/m2 on the water-soluble nonwoven fabric which consists of polyvinyl alcohol (polymerization degree 1700) fiber the sodium-lauryl-sulfate powder which is example 8 surface active agent. 5kg/cm2 after making it distribute and rubbing in well It pushes by the pressure and is 95 more% ethyl alcohol 10 g/m2 The amount was sprayed, volatile matter was dried about 100% in the environment of RH 50 degrees C / 30%, and alum powder was fixed in the fiber of a nonwoven fabric. After judging to 10x7cm, the wrapping which consists of a polyethylene film which laminated aluminum foil was loaded, and it manufactured.

The eyes of the thickness:280micrometer nonwoven fabric which is a melting-temperature:5 degree-C nonwoven fabric which is :15 micrometer fiber in the thickness of the data fiber of a nonwoven fabric: 50 g/m2

[Translation done.]